

**17&18 July
2006
UNIFE visit to Poland**



**Globalisation
Innovation**

**Concentration
Standardisation**



Control Command & Signalling

ERTMS (mainline)

- ETCS
- GSM-R

Urban control command & signalling

- MODURBAN

Environment

Rolling Stock

High-speed Trains
Intercity Trains
Regional Trains
Freight Trains
Tram Trains
Metro
Tram

Subsystems & Components

Bogies
Brakes
Wheels
Doors
Airconditioning

Infrastructure

Tracks & Catenary
Rails
Switches and crossings
Power
Bridges & Tunnels

ANSALDOBREDA

vossloh

ŠKODA

Talgo

BOMBARDIER
TRANSPORTATION

ALSTOM

STADLER

SIEMENS

Rolling Stock

vossloh voestalpine

Corus Rail

ACERALIA

Grupo Arcelor

Moravia

ISTD
SCHIENEN TECHNIK GMBH

Balfour Beatty

carillion

Infrastructure

Bochumer Wagon

LUCCHINI

Faiveley
TRANSPORT

BONATRANS a.s.

KNORR-BREMSE

VALDUNES

Sub-system & Components

invensys

ALSTOM

ANSALDO SIGNAL
A Finmeccanica Company

BOMBARDIER
TRANSPORTATION

SIEMENS

UniControls
Industrial and Transport Control Systems

ALCATEL

Control Command & Systems

SWEDTRAIN®
Föreningen Svenska Järnvägsindustrier
Swedish Society of Railway Industries



SWISSRAIL
Export Association



DIE BAHNINDUSTRIE.
VDB VERBAND DER BAHNINDUSTRIE IN DEUTSCHLAND E.V.



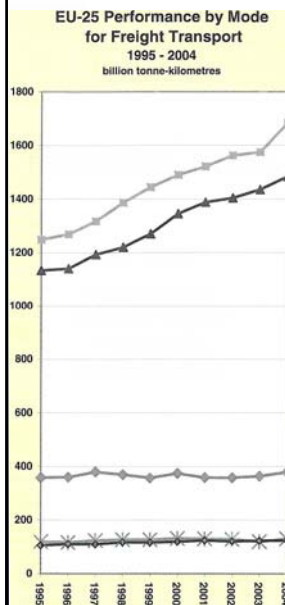
Holland Rail Industry

Railway Industry Association



- **Membership development:**
 - 40 to 70 members
- **Income increased:**
 - From 1M€ to 2.8 M€
- **Staff: from 7 to 16 persons operating with the latest technical support of UNIFE members**
- **New Business Areas**
 - IRIS
 - UNISIG (from 2006)
 - Research

Market Development



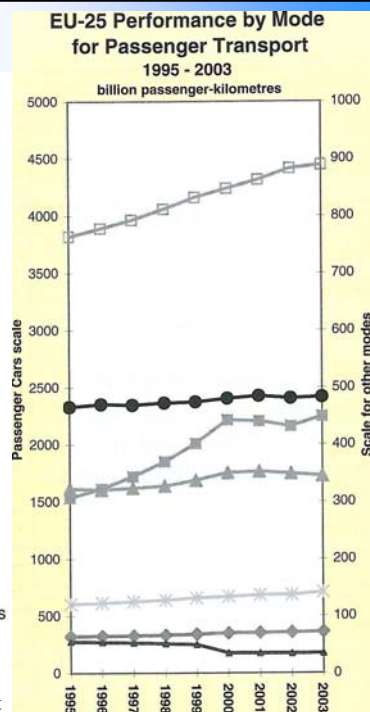
Legend for Freight Transport:

- Road
- Sea
- Rail
- Inland Waterway
- Pipeline
- Air

Legend for Passenger Transport:

- Passenger Cars
- Bus and coach
- Air
- Railway
- Powered 2-wheelers
- Tram and metro
- Sea

Source: DG Energy & Transport



EU Railway Policy 2005

- **Agreement on the Railway Package III**
 - Liberalization of international freight services 2007
 - Liberalization international rail passenger services 2010
- **Development of the Trans European Railway Networks**
 - 5 Rail Corridors + ERTMS
- **Eurovignette Directive**
- **Installation of the European Railway Agency**
- **Revision of the EU Transport White Paper-2020**
- **Development 7th FWP R&D 2007-2013**
- **Financial Perspectives 2007-2013**

- Growing global demand for railway services.
- Increased competition with other modes
 - Car
 - Truck
 - Vessel
 - Plane

} Revised EU Transport White Paper:
“From modal shift to a stronger multi-modal approach, building up on each mode’s advantage”
- Financing of the investments in railway systems
 - World level
 - European level
 - National level
 - Regional level
 - Local level

} All political decisions
- Liberalization/ Privatization of railway operators and infrastructure managers possibly leading to new customer-supplier relations (rolling stock & infrastructure leasing companies ?)

- Promote railways in the political arena in co-operation with CER, EIM, UIC and UITP and the EU Institutions.
 - European level – UNIFE
 - National level
 - Regional level
 - Local level

} National Associations & UNIFE members
- Promote interoperability and/or standardization of railway equipment in co-operation with
 - European Railway Agency
 - CEN/CENELEC/ETSI
 - UIC/UITP/CER/EIM
- Promote innovation by participation in joint EU railway research projects-ERRAC
- Promote an open market for railway equipment via cross certification between the EU Member States.
- Inform UNIFE members about the global market developments in Europe and promote the interests of UNIFE members in those markets.

- **Stay competitive by increasing your efficiency every year**
- **Be innovative by using the state of the art technologies**
- **Standardize your products towards more customers.**
- **Enter new markets in-and outside Europe**
- **Define your strategy: concentration or specialization**

1. **UNIFE Presiding Board**: Provide strategic guidance on UNIFE activities
2. **UNIFE Strategy / National Associations Committee** : Co-ordinate railway activities at the European level
3. **UNIFE Innovation Committee** : Research, harmonisation and Standardisation
4. **UNIFE Standardisation & Regulation Committee** : Steers the Mirror Groups to ERA
5. **ERA Mirror Groups**
6. **UNIFE ETCS Steering Committee**
 - UNIFE ERTMS Marketing Group
7. **UNISIG Steering Committee**
 - UNISIG Technical Working Groups

6. UNIFE Infrastructure Committees

- **UNIRAIL**: Rail Suppliers
- **UNIRAILINFRA** : Suppliers and contractors in fixed rail infrastructure
- **EFRTC** : Infrastructure Companies

7. UNIFE Transport and Environment Committee

- **Diesel Working Group** : Pool of Industry Experts
- **Noise Working Group** : Pool of Industry Experts

8. UNIFE Wheel Group (ERWA) : Wheel Suppliers

9. International Railway Industry Standard – IRIS Certification : a common supplier certification systems

Unirailinfra
(established 2004)

Alstom
Balfour Beatty
Bombardier
Corus
Carillion
EFRTC
GTRM

Invensys
Pfleiderer
Siema
Siemens
VAE
Voestalpine
Vossloh

Unirailinfra – Forum of the leading European Infrastructure Industry Companies within UNIFE

OBJECTIVE

ACTIVITY

Promotion of Life-Cycle Cost Strategies in Infrastructure

Respective information and cooperation with system stakeholders

Promotion of financing schemes for the TEN-T rail corridors

Support, modify and follow UNIFE activities in the political area

Dialogue with EU institutions, associations etc.

Develop relations and common activities with other stakeholders

Promotion of the benefit of outsourcing by Infrastructure Managers

These concepts to be integrated in policy papers (White Paper, etc); idea to be reiterated to EIM and UIC in conferences and meetings

Define common rail infrastructure research projects and follow up

Steer the kick off of 2 new rail research projects: INNOTRACK and URBANTRACK

Give guidance to the UNIFE Mirror Group to ERA

Monitor MG and coordinate with SRG

Communication

Propose, support and participate in active communication policy of UNIFE with due emphasis on infrastructure topics

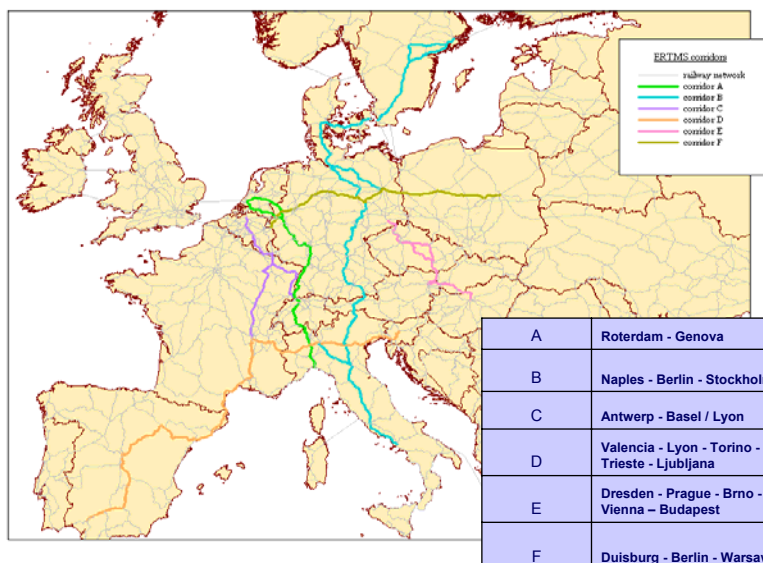
- UNISIG Steering Committee:
 - Technical Specification Development
 - participation in the ERA ERTMS Groups (Change Control Management process, System Version Management, Economic Survey Group and Mirrors Groups)
- UNISIG Technical Working Groups:
 - Report to UNISIG Steering Committee
 - Dedicated to particular issues (Super Group, Interoperability Test Group, STM group)
 - Interfacing GSM-R industries for ERTMS Specifications regarding Radio Systems

- UNIFE ETCS Steering Committee:

- Initiated by the Presiding Board in 2005 to communicate and coordinate the UNIFE position
- Members are the six ETCS system companies
- Main Objectives are:
 - Support for the deployment of ETCS in Europe
 - Promotion of the European corridors
 - Creating financing opportunities for ETCS in the European Context
 - Political contacts to the European institutions and the relevant stakeholders, especially European Coordinator for ERTMS Karel Vinck
- Invensys representative: Frans Heijnen

- UNIFE ERTMS Marketing Group

- Reports to the UNIFE ETCS Steering Committee
- Chairman: Nigel Major (Invensys)
- Activities:
 - Promotion of ETCS (conferences, articles, website, brochures...)
 - Participation in the six Corridor studies within the Memorandum of Understanding signed between the EC and UNIFE-CER-EIM-UIC



Latest political activities include high-level contacts to monitor the outcome of:

- MoU Steering Committee (Karel Vinck) and the six Corridor groups
 - UNIFE support to the work of Karel Vinck
 - UNIFE input to corridor studies
 - UNIFE input to the proposal on financing of ETCS on-board equipment
- European Parliament report on ERTMS (MEP Michael Cramer, rapporteur)
 - UNIFE input to draft report + amendments

1. Approval of the Cramer report on ERTMS by the Transport Committee of the European Parliament (2 May)
2. Formal approval by the European Parliament Plenary session on 15 June
3. Reservation of € 500 million for ERTMS in the EU Multi-annual Investment Plan (MIP)
4. Preparation of the six Corridor proposals for implementation of ERTMS
5. Phased implementation of ERTMS on the six Corridors 2007-2013



Name	Subject	Budget	Start date / Duration	Co-ordinator
Modtrain (IP)	Definition of key interfaces – mainline/ High speed rolling stock	30,5 M€ (16,9 M€ grant)	February 04 48 months	UNIFE
Integrail (IP)	Specification for standard platform and protocol; interface for existing or new information systems	19,6 M€ (10,5 M€ grant)	January 05 48 months	UNIFE
Modurban (IP)	Definition of key interfaces – urban / signalling, access, energy, communication	19,4 M€ (10,4 M€ grant)	January 05 48 months	UNIFE
Silence (IP)	Noise abatement technology platform for road and rail vehicles	23 M€ (13 M€ grant)	February 05 36 months	AVL List, Austria
Green (IP)	New powertrain generation for heavy-duty diesel engines	24 M€ (12 M€ grant)	March 05 36 months	Volvo
Q-City (IP)	Identification of 'noise hot-spots'; noise mapping	13 M€ (7 M€ grant)	February 05 48 months	ACL (Acoustic Control), Sweden

Name	Subject	Estimated budget	Start date / Duration	Co-ordinator
Widem (STREP)	Wheelset integrated design and effective maintenance	3,76 M€ (1,95 M€ grant)	January 05 36 months	Lucchini & (UNIFE)
New Opera (CA)	Study on dedicated freight networks	3,6 M€ (3,6 M€ grant)	January 05 42 months	F&L (Freight & Logistics)
Eumex (NoE)	European platform structuring academic rail research along axes of competence; organising scientific excellence in joint knowledge management system	6 M€ (6 M€ grant)	January 05 48 months	FAV
ERRAC (SSA)	Promote investments in railway research and provide input into FP7 preparation	650.000 € (650.000 € grant)	March 05 24 months	UNIFE/UITP/ EIM/CER/JIC
Railcom (STREP)	Electromagnetic compatibility between rolling stock and rail-infrastructure	3,7 M€ (2,45 M€ grant)	December 05 36 months	Moraves (formerly Holland Railconsult) & (UNIFE)

		New EU-Projects		
Name	Subject	Estimated budget	Start date / Duration	Co-ordinator
Railenergy (IP)	Energy Efficiency	14,7 M€ (8 M€ grant)	September 06 48 months	UNIFE
Innotrack (IP)	Lower Life Cycle Cost infra. for mainline corridors	18,6 M€ (10 M€ grant)	September 06 36 months	UIC/BV
Urbantrack (IP)	Lower Life Cycle Cost infra. for urban rail	18 M€ (9,4 M€ grant)	September 06 48 months	D2S/STIB
MODBRAKE (STREP)	Modular Brake	5 M€ (2,7 M€ grant)	June 06 30 months	UNIFE
SAFEINTERIORS (STREP)	Safe interior design	3,7 M€ (1,95 M€ grant)	July 06 42 months	BT
EURFORUM (CA)	Urban mobility research (links to existing Technology Platforms)	~400,000 €	May 06 24 months	UITP
EUDD + (STREP)	Implementation of the European Driver's Desk	2,85 M€ (1,8 M€ grant)	July 06 30 months	FAV

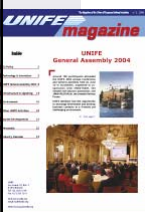


Communication

Conference and exhibition

- Annual Reception in Brussels
- General Assembly in Geneva
- Eurailfreight in Munich
- TRAKO in Gdansk
- Eurailspeed in Milan
- EU Railway Standards in Lille
- Innotrans in Berlin

Publications










- The **Voice of the Railway supply industry in Brussels** establishing well appreciated **relations with the EU institutions and EU railway organisations**
- Prominent role for EU Railway Policies in the EU transport White Paper **bringing political support to the railway industry**

	2000-2006	2006-2013
Trans-European Network funds	4,2b€	7,2b€
EU Regional Transport funds	12 b€	?
EIB Loans to rail sector	40 b€	?

- **Implementation of the EU railway Packages I-II-III**
 - Separation railway services & infrastructure 91/440
 - Liberalization of Rail Freight services 2007
 - Liberalization Rail Passenger services 2010

- Meetings with all the relevant EU Commissioners
- Meetings with many relevant Railway CEO's
- Proposal for Financing of Rolling Stock in New Member States (joint UNIFE/CER Initiative)
- Proposal for Cross Acceptance of Rolling Stock (Joint UNIFE/CER/VDB/FIF Initiative)



- **European Railway Agency Counterparts**

- 10 active ERA working group
- 8 active UNIFE – ERA Mirror groups

- **AEIF**

- Organizational & Finance Management
- Development and Implementation of 12 Technical Specifications for Interoperability
 - High Speed
 - Conventional Rail
 - Revisions



- Development and implementation of about 500 Railway Standards CEN/CENELEC/ETSI
- Development of a UNIFE Rolling Stock Life Cycle Cost Manual
- ERTMS Deployment Plan & ERTMS Baseline Specifications 2.3.0
- UNISIG Management Center
- Development of IRIS Certification (International Railway Industry Standard)
 - IRIS Management Center

- Integration of the Wheel Suppliers (ERWA) into UNIFE
- Co-operation with The European Rail Trackwork Contractors (EFRTC)
- Organization of events
 - Annual Reception
 - General Assembly
- Participation in events
 - Eurailspeed (UIC)
 - UITP WC
 - Eurailfreight (CER)
 - ERTMS (UIC)
 - WCRR (UIC)



Establishment of the European Research Advisory Council – ERRAC

The 6th Framework Program

- Modtrain
- Modurban
- Integrail
- Railenergy
- EUDD+
- EURNEX
- New Opera
- Others...

250 m€

UNIFE Research Management Center – ONLY co-ordination of joint rail research projects!



UNIFE Mission Statement 2006/2010

“UNIFE’s mission is to enhance the competitiveness of the railway industry and promote the development of rail as the preferred mode of transportation in Europe and beyond”.



UNIFE Priorities 2006/2010

- 1. Dialogue with EU Institutions to influence EU railway policies and to promote the rail transport mode in a level playing field**
- 2. Co-ordination with National Rail Supply Industry Associations to influence and support implementation of EU rail policy**
- 3. Achievement of railway interoperability & standardisation in co-operation with the ERA, CEN, CENELEC, ETSI**
- 4. Development of Joint EU-Railway R&D Programmes & Projects**
- 5. Coordination and co-operation between UNIFE & CER, EIM, UIC and UITP**

1. Dialogue with EU Institutions to influence EU railway policies and to promote the rail transport mode in a level playing field

- 1.1. Keep rail high in the Agenda of EU decision makers**
- 1.2. Lobby towards a higher EU budget for rail & maximize the use of EU funds**
- 1.3. Promote a transport infrastructure charging system more favourable for the rail sector**
- 1.4. Facilitate & promote the deployment of ERTMS / ETCS**
- 1.5 Promote the rail sector as a cost efficient, attractive, safe & environmentally friendly transport mode**

2. Co-ordination with National Rail Supply Industry Associations to influence and support implementation of EU rail policy

- 2.1. Influence the European decision making process by lobbying the EU Member States**
- 2.2. Action Plan towards the best use of EU rail funds in the EU Member States**

3. Achievement of railway interoperability & standardisation in co-operation with the ERA, CEN, CENELEC, ETSI

3.1. Promote more efficient processes in the interoperability & standardisation area:

- TSI (AEIF & ERA);
- Standards (CEN/CENELEC/ETSI);
- Cross Certification

3.2. Action towards an EU regulatory framework for the urban sector

- allowing increased standardisation and EU safety acceptance processes

3.3. Promote European Standards in the World

3.4. Apply Life Cycle Costs (LCC)

3.5 Promote the IRIS Certification Standard

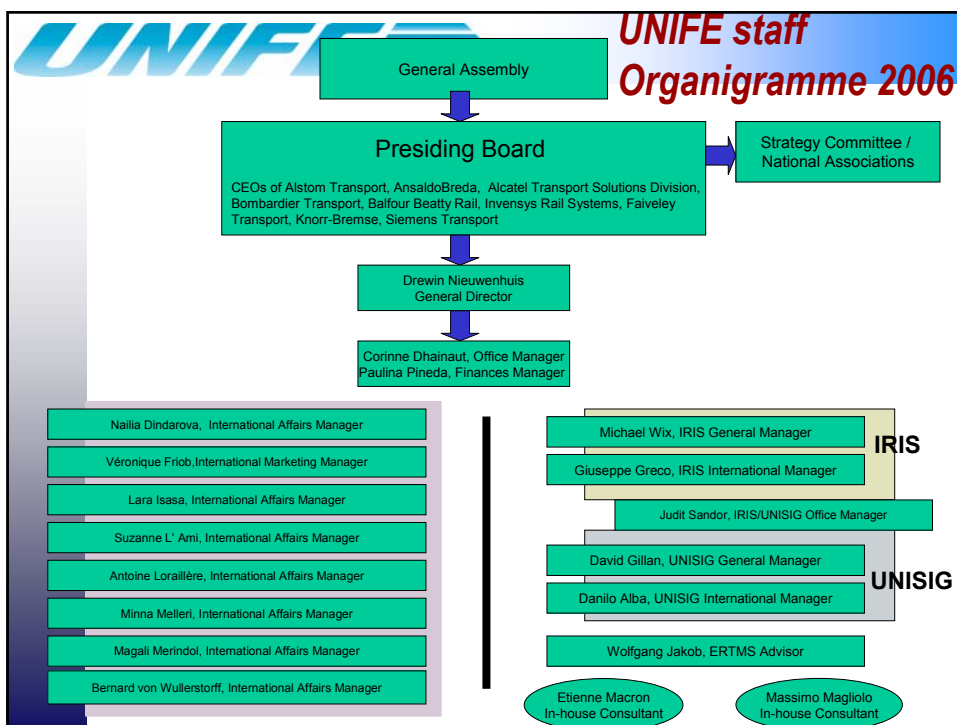
4. Development of Joint EU-Railway R&D Programmes & Projects

- Oversee innovation that will impact the rail harmonisation & standardisation processes in Europe
- Daily management of projects

5. Coordination and co-operation between UNIFE & CER, EIM, UIC and UITP

Other UNIFE activities in 2006:

- UNIFE Rail equipment World Market Study
- UNIFE General Assembly 2006, Geneva
- WCRR 2006, Montreal
- Innotrans 2006, Berlin
- Preparation International Wheel-Set Congress 2007; Prague
- Information to Members (electronic news, mailings, website, etc)
- Organisation of Committees & Working Group Meetings
- Organisation of meetings with ERA, CER, EIM, UITP, UIC, CEN, CENELEC, ETSI etc.



The European rail supply industry is a profitable, flexible and high-tech sector, actively contributing to jobs, economic growth and the development of sustainable transport in Europe and beyond.

- A Europe in which the high-speed train has become the standard transport mode connecting cities...
- A Europe that has succeeded in achieving a modal equilibrium in freight traffic for the benefit of the environment, economy, industries and citizens of Europe. ...
- A Europe in which local travel within and around large cities takes place mainly by environmental friendly modes, using rail transport, and integrating metro, light rail and heavy rail...

- The railway industry is a modern and high potential industry capable of meeting the mobility challenges of the 21st Century !
- Quote, Louis Armand, UIC President 1956:
“Railways can become the transport mode of the 21st Century if it survives the 20th Century” and they did.

UNIFE is available to support it's members on this mission into the 21 Century:

- One Team
 - One Mission
 - One Objective
- } ***“Develop railways as a modern, efficient, affordable and essential part of the global transport system“***



Thank you for your attention !
www.unife.org

